Figure S1. $^1$H NMR spectrums for the PpPD with different ratio of oxidation to monomer of 2(A), 1(B), 0.5(C) and 0.25(D) respectively in CDCl$_3$. 

Electronic Supplementary Information for *RSC Advances* manuscript:

Optimization of Thermoelectric Figure of Merit in Poly(p-phenylenediamine)/ Exfoliated Graphene Nanosheets

Composites via Situ Polymerization

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Figure S2. TE parameters a) and figure of merit of PpPD-20GNPs composite from 25 °C-85 °C b).